

## SAN BERNARDINO MICROWAVE SOCIETY, Incorporated

FORMED IN 1969  
A NONPROFIT AMATEUR TECHNICAL ORGANIZATION DEDICATED  
TO THE ADVANCEMENT OF COMMUNICATIONS ALONE 1969 INC.

## W6IFE Newsletter

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At the **7 November** 2002 meeting of the SBMS will have Mel, WA6JBD talking about network Analyzers. He will be doing a theoretical talk as well as doing some measurements. Apparently he will bring along a rather new one that goes to 40 GHz. So feel free to bring items to be measured. Thanks to Mel for arranging this special program. We will have the mixer kits for the 24 GHz project, thanks to Dave and Ken. Next up is the PIC board and parts. The SBMS meets at the American Legion Hall 1024 Main Street (south of the 91 freeway) in Corona, CA at 1900 hours local time on the first Thursday of each month. Check out the SBMS web site at <http://www.ham-radio.com/sbms/>.

**Pres Sez:** Again, many thanks to all those who made a very successful contest happen. Welcome to the new members of the Microwave GAB. The High Vizwar has told me that he is confident that there will be other inductees, perhaps at the Christmas Party. Apparently there is lots of interest in JT-44 and we are planning an extensive program on it soon along with a weekend workshop to actually use it. We are going to discuss another contest this meeting, so come with ideas and comments. We will try to get something organized then. More parts kits will be available for the 24 GHz land mines at the meeting and Ken will have an operating mixer to show. See you at the meeting- Doug K6JEY

**Last meeting:** Welcome to new members Bill Kendrick, N6RV of Harbor City, CA; Kenneth Burtshaell, W6GHV of Lockeford, CA and to visitors Scott Carpenter of Minneapolis, Gary AD6FP of Los Altos, and to Paul

KH6HME for his mainland visit from Hilo Hawaii. The High Vizwar inducted some folks (WA6EXV, N6IZW, N6CA, WB6DTA, WA6CGR) into the GAB (Givers, Active, and Builders) committee using the dreaded HP 3 dB coupler. (You had to be there to understand the shemmagas of the Pres and loyal subjects.) Contest had numbers of folks making scores over 100,000 points this year. Many people were out and about doing things over lots of distance using bounce shots, etc. QSO's numbered over

100. Unique calls were in the 40's. So lots of people were active both in SOCA and in NOCA. 31 people present

**Activity** reported at the October SBMS meeting: Mel, WA6JBD put a rubidium into his rig for new stability; Dick, WB6DNX has been working on 2 GHz gear; Frank, WB6CWN has been doing some antenna measuring; Chuck, WA6EXV has the 1.2 to 2 GHz translator/ beacon on air for testing prior to installation at Heaps Peak; Bill, WA6QYR has been working on optical communicator and 24 GHz gear; Bob, W6SYA is going to shrink his gear to make more portable; Ken, WB6DTA built two loaner rigs and built some more synthesizers; Kerry, N6IZW had two Pcoms out in contest but one died (rumor that taking the lens cap off the optical communicators help make contacts W6OYJ); John, N6AX is collecting equipment; Rick, W6ESS built the Pcom mixer and did some mods to his K2 rig; Dennis, WA6NIA added a preamp to his 10 GHz rig; Gary W6KVC did some ATV contacts at 34 miles; David, KI6FF working on WSWSS; John, KE6HZ did some 2.4 GHz ATV; Chris, N9RIN redid his 10 GHz feed; Joonho, KG6MQS new American call; Gary, AD6FP has a new 10 GHz roving radio; Mike, W6YLZ rewired some of his 10 GHz rig; Glenn KE6HPZ built a loaner 10 GHz rig; Dick, K6HIJ built some 24 GHz flanges and repaired a spectrum analyzer; Jack, NXQ built a small 10 GHz portable rig in a milk crate with 1 ft dish and worked Mexico many times from locations around SOCA; Larry, K6HLH has a 400 w amp on 1.2 GHz and a 10 GHz TWT; Bill N6RV rebuilt shack; Chip, N6CA put power pole connectors on everything and did some K2 mods; Doug, K6JEY purchased stuff at Howard's sale and had a 81 mile 24 GHz narrow band contact; Dave, WA6CGR worked on lots of other people rigs and made some VHF contacts.

### Scheduling:

Dec 5 5.7 GHz gear report and testing.

Christmas Party at Dave WA6CGR's house in December

Dec 25 Merry Christmas

1 Jan Happy New Year.

2 Jan meeting TBD

### "Wants and Gots" for sale

Want 48v power supply at 6 amps Pat N6RMJ 661-264-1978

For Sale: Fluke Synthesized Signal Generator 6060B with a 6060A manual. 100khz to 1040mhz. Nice condition, works fine. Display a little dim but fine. \$300 plus shipping Doug K6JEY 90806 502-424-3737

Want Boonton 4200 or 51xxx series power meter heads John N6AX 714-993-0435

**From the newspapers and magazines**&emdash;The September 11, 2002 Bakersfield Californian carried an Associated Press story of older cell phones being linked to a 30 percent higher risk of brain tumors. This was being jumped upon by the law firm who made millions off the cancer victims when suing the tobacco companies. In the September 2002 issue of Microwaves and RF there is an article on "Gauge Nonthermal Effects of Microwave Fields" by A. Kumar of the Canadian company AK Electromagnetique that reports on many studies of low power microwaves with rats. One would get the impression that the 1mw/cm standard might be too high and causing DNA to change when exposed to low levels at long times. You might want to think about that when getting the family the wonder deal on a cell phone each, or going on hilltops with those other antennas.

**NEW GPS RECEIVER-** Deluo Deluo.com has an almost postage stamp size GPS receiver available for \$99 that is simply the receiver module and the cord to either a serial or USB port. It will run on any of the myriad programs. I bought one and it is going great. It shows the current location and updates my computer's clock automatically. I use it for my telescope and for JT-44. I will have it at the meeting and do a show and tell. Doug K6JEY

### 10 GHz Contest reports:

I finally finished calculating my score. Here's the results for those who've been asking: -111 total qso's; 32 call signs; best dx 612 miles; 20362 total points; Mel, WA6JBD

Score- 118 Q's; 46 calls; best DX 1100.4; 80,029 points; Blew up the radio on the second Saturday but still had the best contest ever! There were many more good radios and operators on this year and of course 10GHz is a jewel of a band. Let's do it again in a couple of weeks. Frank XE2/WB6CWN

Mucho fun, best contest yet, sooooo many stations on the air even in at midnight! 155 Qs; 43 stations; 792 km DX; 30,615 points. 73 Chip N6CA

FYI, the final score that I sent to the ARRL this morning .Q's 74; Unique 32; km 18842; TOTAL 22042  
(Best DX ... 783.9 km) 73, Kurt - K6RRA



The GAB inductee's get the "word". The High Vizwar (center) inducted some folks (WA6CGR N6CA WA6EXV, N6IZW, WB6DTA,) in to the GAB (Givers, Active, and Builders) committee using the dreaded HP 3DB coupler as Mel, WA6JBD looks on. Kurt, K6RRA Photo.

73's Bill



(above) Signal Hill group during the second weekend of the 2002 ARRL 10 GHz and Up contest. Chuck N6EQ and Pat N6RMJ showing what a good time they had working contacts in Southern California. Photographs by Kurt, K6RRA



(above) Chris, N9RIN had fun during his first time out working stations around the area.



(above) Dennis, WA6NIA had fun on both 10 GHz and 24 GHz during the second weekend. This was his first contest.



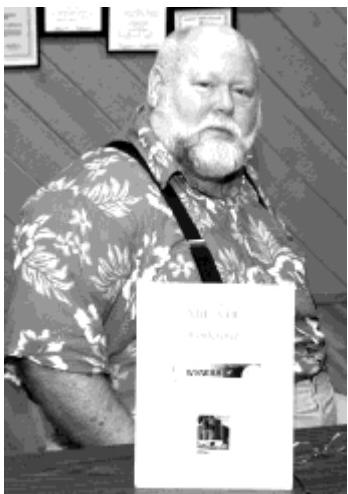
(above) Tony KC6QGH was out on Signal Hill with both his 10 and 24 GHz rigs and the magic positioner.



(above) Pat, N6RMJ on Signal Hill working others on 10 GHz. Nice to be by the "facilities" during a long contest.



(above) From last meeting, during the installation of the GAB, the Supreme Wizard read the official words to induct members into the GAB as the Ether One looked on and the High Vizwar carried the dreaded HP 3 DB coupler.



(above) David, KI6FF at the September SBMS meeting plugging for the up coming WSWSS Convention.

The San Bernardino Microwave Society is a technical amateur radio club affiliated with the ARRL having a membership of over 90 amateurs from Hawaii and Alaska to the east coast. Dues are \$15 per year which includes a badge and monthly newsletter. Your mail label indicates your call followed by when your dues are due. Dues can be sent to the treasurer as listed under the banner on the front page. If you have material you would like in the newsletter please send it to Bill WA6QYR at 247 Rebel Road Ridgecrest, CA 93555, [bburns@ridgecrest.ca.us](mailto:bburns@ridgecrest.ca.us), or phone 760-375-8566. The newsletter is generated about the 15th of the month and put into the mail at least the week prior to the meeting. This is your newsletter. SBMS Newsletter material can be copied as long as SBMS is identified as source.

San Bernardino Microwave Society newsletter

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